

PATENT ABSTRACTS OF JAPAN

(11) Publication number : 2000-173669

(43) Date of publication of application : 23.06.2000

(51) Int.Cl.

H01M 10/44
H01M 4/02
H01M 4/38
H01M 4/42
H01M 10/40
H02J 7/10

(21) Application number : 10-342889

(71) Applicant : MATSUSHITA ELECTRIC IND CO LTD

(22) Date of filing : 02.12.1998

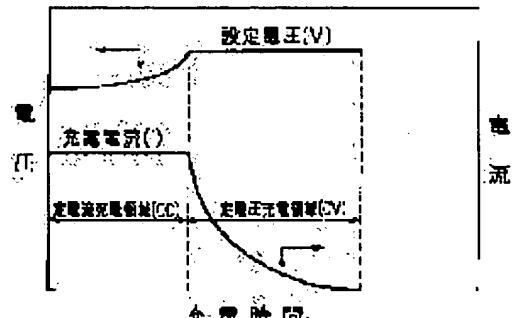
(72) Inventor : INOUE KAORU
KOSHINA HIDE
SHIMAMURA HARUNARI
NITTA YOSHIAKI

(54) CHARGING METHOD FOR NONAQUEOUS ELECTROLYTE SECONDARY BATTERY

(57) Abstract:

PROBLEM TO BE SOLVED: To improve a charging/discharging cycle life characteristics of a battery, using silicon and zinc for a negative electrode.

SOLUTION: In charging a secondary battery provided with a composite particle, in which the whole or a part of the circumference of a nuclear particle consisting of a solid phase A using silicon or zinc is covered by a solid phase B, in a negative electrode, a constant current charging area, in which charging is carried out at a fixed current value I until a set voltage E is attained, and a constant voltage charging area, in which charging is carried out at the set voltage E after the set voltage E is attained, are combined together for charging, and a charging current value in the constant current charging area and the constant voltage charging area is regulated to 5 mA/cm² or less in the form of



current density for a part, in which the positive and negative electrodes are opposed to each other.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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